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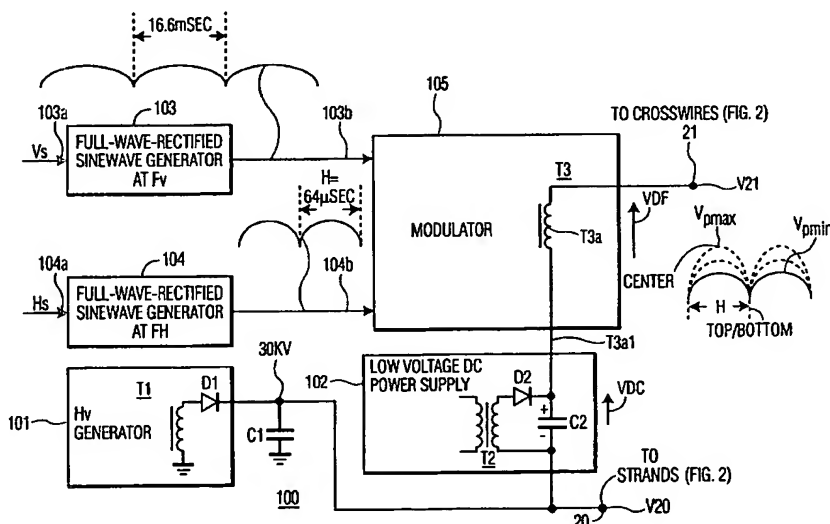
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(54) Title: DYNAMIC FOCUS VOLTAGE FOR A FOCUS MASK



(57) Abstract: A dynamic focus voltage generator (21) is provided for a tensioned focus mask (30) of a cathode ray tube (10) of video display. The tensioned focus mask (30) includes spaced apart strands (44) and spaced apart crosswires (46) separated from the strands (44). A synchronizing signal at a horizontal deflection frequency is used for generating a dynamic focus voltage component that varies in accordance with a position of an electron beam on a screen (28) of the cathode ray tube (10). A synchronizing signal at a vertical deflection frequency is used for generating a dynamic focus voltage component that varies in accordance with the position of the electron beam on the screen (28) of the cathode ray tube (10). The time varying voltage components are combined with a direct current voltage component for producing a dynamic focus voltage between the strands (44) and crosswires (46).



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IPC(7) : H01J 29/07, 02; H01F 13/00; B05C 11/11

US CL : 324/500, 404, 71.1; 313/408, 403, 402, 461, 466

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 324/500, 404, 71.1; 313/408, 403, 402, 461, 466

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
None

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4,146,816 A (MORRELL) 27 March 1979 (27.03.1979), see entire document.	1-5
Y	US 4,682,075 A (NELSON et al.) 21 July 1987 (21.07.1987), see entire document.	1-5
Y	US 5,688,328 A (TONG et al.) 18 November 1997 (18.11.1997), see entire document.	1-5
Y	US 5,929,641 A (KUCZER et al.) 27 July 1999 (27.07.1999), see entire document.	1-5

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